

CLAIMS

1. An organic electroluminescent display comprising:

a substrate; and

5 a first organic electroluminescent device part and a second organic electroluminescent device part placed side by side on a surface of the substrate;

the first organic electroluminescent device part including at least a light reflective conductive layer, an
10 organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer;

the second organic electroluminescent device part
15 including at least a light reflective conductive layer, a first inorganic compound layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer;
20 and

an emission spectrum of light from the first organic electroluminescent device part differing from an emission spectrum of light from the second organic electroluminescent device part.

25

2. An organic electroluminescent display comprising:

a substrate; and

a first organic electroluminescent device part and a second organic electroluminescent device part placed side by side on a surface of the substrate;

the first organic electroluminescent device part
5 including at least a light reflective conductive layer, a first inorganic compound layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer;

10 the second organic electroluminescent device part including at least a light reflective conductive layer, a first inorganic compound layer, a second inorganic compound layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective
15 layer inside or outside of the organic luminescent medium layer or the transparent electrode layer; and

an emission spectrum of light from the first organic electroluminescent device part differing from an emission spectrum of light from the second organic electroluminescent
20 device part.

3. An organic electroluminescent display comprising:
a substrate; and

a first organic electroluminescent device part, a second
25 organic electroluminescent device part, and a third organic electroluminescent device part placed side by side on a single surface of the substrate;

the first organic electroluminescent device part including at least a light reflective conductive layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer;

the second organic electroluminescent device part including at least a light reflective conductive layer, a first inorganic compound layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer;

the third organic electroluminescent device part including at least a light reflective conductive layer, a first inorganic compound layer, a second inorganic compound layer, an organic luminescent medium layer, and a transparent electrode layer in this order and including a light reflective layer inside or outside of the organic luminescent medium layer or the transparent electrode layer; and

emission spectra of light from the first, second, and third organic electroluminescent device parts differing from one another.

4. The organic electroluminescent display according to any one of claims 1 to 3, wherein at least one of the first inorganic compound layer and the second inorganic compound layer is an inorganic compound layer subjected to crystallization

treatment.

5. The organic electroluminescent display according to any one of claims 1 to 3, wherein at least one of the first inorganic compound layer and the second inorganic compound layer includes an inorganic oxide.

6. The organic electroluminescent display according to claim 4, wherein the first inorganic compound layer and the second inorganic compound layer include an inorganic oxide, and crystallinity of the first inorganic compound layer is higher than crystallinity of the second inorganic compound layer.

7. The organic electroluminescent display according to claim 6, wherein the first inorganic compound layer is crystalline, and the second inorganic compound layer is noncrystalline.

8. The organic electroluminescent display according to any one of claims 1 to 3, wherein at least one of the first inorganic compound layer and the second inorganic compound layer includes an oxide of an element selected from the group consisting of In, Sn, Zn, Ce, Sm, Pr, Nb, Tb, Cd, Ga, Al, Mo, and W.

9. The organic electroluminescent display according to any one of claims 1 to 3, wherein at least one of the first inorganic compound layer and the second inorganic compound layer includes an oxide of an element selected from the group consisting of

In, Sn, and Zn.

10. The organic electroluminescent display according to any one of claims 1 to 3, wherein the light reflective conductive
5 layer includes a metal selected from the group consisting of Al, Ag, Au, Pt, Cu, Mg, Cr, Mo, W, Ta, Nb, Li, Mn, Ca, Yb, Ti, Ir, Be, Hf, Eu, Sr, Ba, Cs, Na, and K, or an alloy containing at least one metal selected from the group.

10 11. The organic electroluminescent display according to any one of claims 1 to 3, wherein the light reflective layer includes one, or two or more metal elements selected from the group consisting of Al, Ag, Au, Pt, Cu, Mg, Cr, Mo, W, Ta, Nb, Li, Mn, Ca, Yb, Ti, Ir, Be, Hf, Eu, Sr, Ba, Cs, Na, and K.

15

12. The organic electroluminescent display according to any one of claims 1 to 3, further comprising a color conversion part.

13. The organic electroluminescent display according to any
20 one of claims 1 to 3, further comprising a color filter.

14. The organic electroluminescent display according to claim 12, wherein the color conversion part is a fluorescence conversion film.

25

15. A method of producing the organic electroluminescent display according to any one of claims 1 to 3, the method

comprising forming at least one of the first inorganic compound layer and the second inorganic compound layer by wet etching.